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Store at 2°C~ 8°C

HiYield™ G25 Cleanup Kit Protocol Book

Rapid Oligo Purification

Cat. No. **YCG25**

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HiYield™ G25 Cleanup Kit

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Cat. No. **YCG25**
50 preps / kit
G25 Column: 50 pcs
2ml Collection Tube: 50 pcs

Sample: 20-100 µl
Recovery: 90%
DNA Size: Larger than 10 bases
Format : Spin Columns
Operation: Centrifuge
Operation Time : 5 Minutes

Description

HiYield™ G25 Cleanup Kit consists of prepacked Sephadax G25 pre-hydrated with double-distilled water. This kit is ideal for purification of synthesized oligonucleotides, end-labelled oligonucleotides, desalting and buffer exchange of PCR product. The G25 column can purify DNA fragments larger than 10 bases in length and low molecular weight material will be retained in the gel matrix of the column. The kit is specifically designed to purify DNA fragments larger than 10 bp only. It is not recommended for PCR product primer removal.

Features

Entire procedure could be completed within 5 minutes.
Ready-to-use prehydrated gel-filtration columns.
Optimized for efficient removal of any dye terminator.

Applications

Desalting, Oligo Purification, Buffer Exchange.

Quality Control

The quality of HiYield™ G25 Cleanup Kit is tested on a lot to lot basis. The particle size and quality is tested. The purified DNA is cheked by electrophoresis.

Note: For research use only. This kit contains irritant agent. During operation, always wear a lab coat, disposable gloves and protective goggles.

Purification / Desalting Protocol

1. Place a G-25 Column in a 2 ml Collection Tube.
2. Centrifuge at 1,000 x g for 2 minutes.
3. Transfer the G-25 Column to a 1.5 ml microcentrifuge tube.
4. Carefully load the sample (20-100 µl) onto the center of the gel bed surface.
5. Centrifuge again at 1,000 x g for 3 minutes. The purified sample can be recovered at the bottom of the 1.5 ml microcentrifuge tube (approximately the same volume as the loaded sample).

Buffer Exchange Protocol

1. Place a G-25 Column in a 2 ml Collection Tube.
2. Centrifuge at 1,000 x g for 3 minutes.
3. Discard the flow-through in the 2 ml Collection Tube and place the G-25 Column back in the same 2 ml Collection Tube.
4. Add 350 µl of desired buffer to the G-25 Column. Then Centrifuge at 1,000 x g for 2 minutes.
5. Transfer the G-25 Column to a 1.5 ml microcentrifuge tube.
6. Carefully load the sample (20-100 µl) onto the center of the gel bed surface.
7. Centrifuge again at 1,000 x g for 3 minutes. The purified sample can be recovered at the bottom of the 1.5 ml microcentrifuge tube (approximately the same volume as the loaded sample).